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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/811,701 | 03/29/2004 | Seung-Min Park | 678-1324 (P11400) | 1365 |
| 28249 | 7590 | 11/02/2005 | EXAMINER | |
| DILWORTH & BARRESE, LLP 333 EARLE OVINGTON BLVD. UNIONDALE, NY 11553 | | | LA, NICHOLAS T | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2687 | |

DATE MAILED: 11/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/811,701

Applicant(s)

PARK ET AL.

Examiner

Nicholas T. La

Art Unit

2687

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

- 1) **Claims 1-3, 5** are rejected under 35 USC 103(a) as being anticipated by Siddoway et al. (U.S. Patent 6,473,631).

Regarding **claim 1**, Siddoway et al. teaches a portable communication device including a camera lens module comprising:

A main housing (figure 1, 2, 4, col. 3, line 1-16).

A pair of connecting side arms extended lengthwise from both side corners of the main housing, facing each other (figure 1, 2, 4, col. 3, line 17-24).

An shaped housing including a speaker form on a circular upper surface thereof and a camera lens module formed on a lower surface thereof, wherein the housing is rotatably connected to the pair connecting side arms and a predetermined portion of the housing is accommodated between the

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connecting side arms, so that the housing is rotatable around a hinge axis (figure 1, 2, 4, col. 3, line 1-45).

However, Siddoway et al. does not teach the housing as being cylindrical in shape.

Nevertheless, it is obvious that the a cylindrical housing is simpler, more elegant, and user friendlier than some other shapes such as ear cup shape as being disclosed in Siddoway et al. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to modify Siddoway et al. device with a cylindrical housing for the same advantages, especially since Siddoway ear cup shape is very close to cylindrical in appearances.

Regarding **claim 2**, Siddoway et al. teaches a portable communication device, wherein the main housing comprises, on an upper surface thereof, a display (display 116, figures 1, 4, col. 2, line 54-67), a plurality of keys arranged below the display (keypad 110, figures 1, 4, col. 2, line 33-54, col. 4, line 25-33), and a microphone positioned below the keys (microphone 106, figures 1, 4, col. 2, line 33-54).

Regarding **claim 3**, Siddoway et al. teaches a portable communication device, wherein the housing is rotatably connected to the connecting side arms so that the housing can rotate 180 degree (figure 2, col. 3, line 18-45).

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Regarding **claim 5**, Siddoway et al. teaches a portable communication device, wherein the main housing is bar-shaped (figures 1, 2, 4).

2) **Claim 4** is rejected under 35 USC 103(a) as being anticipated by Siddoway et al. (U.S. Patent 6,473,631) in view of Lee (Pub. No.: US 2004/0204203).

Siddoway et al. invents a mobile terminal with a camera module but does not include a detachable camera module.

In an analogous art, Lee teaches a mobile terminal comprising a detachable camera lens module (detachable camera lens 190, figure 5, page 2, [0029]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to have included a detachable camera lens module using the teaching of Lee on Siddoway et al. portable communication device in order to facilitate flexibility, or diversify the use of the camera lens module based on the user needs of interest.

Reference Cited

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Aria et al. (U.S. Patent Number 6,904,298) discloses a mobile information communicating terminal device having a video camera includes a camera

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receiver unit pivotally supported in a vertical direction with respect to an upper edge face of the device.

Kamiya et al. (Pub. No.: US 2002/0077145) discloses a foldable cellular phone allowing its camera unit to readily show itself when used or protecting it from contamination and scratches when not used.

Larson et al. (U.S. Patent Number 5,796,822) discloses a portable electronic device comprises a body and a rotatable earpiece.

Miyamoto et al. (U.S. Patent Number 6,390,693) discloses an interchangeable lens camera including a lens barrel and a camera body.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicholas T. La whose telephone number is (571)-272-8075. The examiner can normally be reached on Mon-Fri 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571)-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Examiner:



Date:

10/27/2005.


SONNY TRINH
PRIMARY EXAMINER